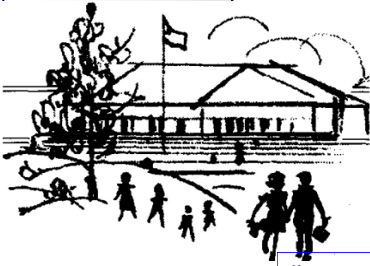


November 2017

# Graham County School News



*Graham County School Superintendent*

*Donna M. McGaughey*

Volume 13, Issue 11

*"Providing Quality Service and Support to Graham County Schools"*

Please visit our website

[www.graham.az.gov](http://www.graham.az.gov)

## Superintendent's Message

I am extremely thankful for the caliber of people we have in our communities. October was busy as usual, and so many groups came together to do what they do best, which is to help others. The month started off with all of the Graham County Fair activities, which brought our students out and served as a venue to showcase their many talents. Congratulations to the schools who entered the parade and won!

The Arizona School Boards Assoc. Graham/Greenlee county visit was hosted by GIFT and several of our school board members were honored with service awards. Thank you for continuing your education!

Service clubs in our area were out in force. They were at the Harvest Festival, groups were gathering diapers for the Safe House and toys and books for local law enforcement to use during times of crisis. Other groups put together backpacks for kids in foster care, just to name a few. Dozens of volunteers came out for the "Make a Difference Day" and helped clean up throughout the county. Dozens of school employees made Halloween safe by working overtime to provide carnivals and games. Wow!

It's November, and we can show our thanks by honoring our service branches on Veterans Day and enjoying our families on Thanksgiving.

## Contact us!

**Donna McGaughey,**  
**Graham County School**  
**Superintendent**

921 Thatcher Blvd.

Safford, AZ 85546

928-428-2880

Fax: 928-428-8824

[dmcgaughey@graham.az.gov](mailto:dmcgaughey@graham.az.gov)

Nola Knight, Chief Deputy

[nknight@graham.az.gov](mailto:nknight@graham.az.gov)

928-428-2880

Online Registration:

[www.graham.az.gov](http://www.graham.az.gov)

Click on:

School Superintendent,  
Workshops

Hours: Monday—Thursday

7:00 a.m.—6:00 p.m.

## *Dates to Remember:*

**Nov. 11**—Veterans Day

**Nov. 13**—Rodel Math 20/20 Administrators meeting 8-10 a.m.

**Nov. 16** Visions User Group training, General Services Bldg.

**Nov. 23**—Thanksgiving

**Nov. 27**—Graham/Greenlee Superintendents meeting in Solomon

**Nov. 30**—Rodel Math 20/20 for grade 6 teachers

**Dec. 1**—Rodel Math 20/20 for grade 1 teachers

**Dec. 7**—Pearl Harbor Remembrance Day **Dec. 13-15**— ASBA Annual Conference



# Science Happens Here!

Local First Arizona, the Arizona Rural Development Council, the Arizona SciTech Festival and the Graham County School Office are presenting **Science Happens Here** to advance STEM education in our community. Parents are encouraged to take their students to local businesses to collect trading cards. The cards, shown below, are designed to engage students with the science connected to the business. The students can learn more about STEM by gaining access to simple experiments found online using the website and code found on each card.



The following businesses are participating in this year's program, which will run through the spring of 2018. The class with the most participants will win a prize. Last year, Karen Hogan's 4th grade class at Thatcher Elementary won a shark dissection experience provided by the Arizona Science Center's Science on Wheels program.

Lee's Rite-Way  
Trophies –N–Tees  
Smith & Taylor Automotive  
Indigo Mountain  
The Hair Academy of Safford  
Graham County Florist  
Abacus Solutions  
Gingerbread & Co.)

Cottage Bakery  
Ortega's Shoes

Genevieve's Market Place  
Debbie's Craft Connection  
Kempton Chevrolet  
Bowman Consulting  
Graham County Co-op  
Richard's Music Company  
Holladay's Photo Emporium  
Carpet Tile and More

A Step Back in Time  
Sun Pumps  
Curtis Landscape  
Taylor Freeze  
Hot Wheels Cyclery  
CMI Quick Copy  
The Plantation (formerly

Eastern Arizona Academy of Cosmetology      Thank you business partners!

## Graham / Greenlee “New Teacher Coalition”

The Graham and Greenlee County School Offices have partnered with the United Way of Graham/Greenlee Counties to find new ways to sustain and support our new teachers. The intention is to offer basic support in the areas of classroom management, technology use, and community involvement. We have met three times this semester, and will reconvene in January. We have a wonderful group of new teachers. However, with an unprecedented 60 + new teachers in our classrooms, we knew we needed to help welcome them and make every effort to support them as they launch their teaching careers in our counties.

This doesn't mean our veteran teachers are being overlooked! We will continue to offer professional development opportunities and to support the existing coalitions and groups such as the Early Childhood Coalition, the Eastern Arizona Science Initiative (E.A.S.I.) and the Rodel Math 20/20 grade levels, which has expanded to grades one through six this year.

We also have technology and classroom management sessions being planned which will be open to all educators. Stay tuned to this newsletter, and watch for announcements as they are rolled out to your administrators. We continue to look for ways to support all teachers.

We want to offer our thanks to all of the veteran teachers out there who are mentoring, both formally and informally those newest to our profession. You are critical—and appreciated! Thanks for giving a hand to those around you who may be struggling.

## Governor's Office of Youth, Faith and Family “Healthy Families, Healthy Youth”

In 2016, Governor Ducey's Office of Youth, Faith and Family started a pilot program to help families avoid with the realities of addiction and the devastating effects on our children. The “Keep Them Safe” program brings 7th graders and their parents together for an evening of education and planning for strategies to face the stressors, risks and pressures presented to our kids on a daily basis. The program started with one school in each county. This year, it has expanded to include 53 districts throughout the state. Based on the early success of the pilot, we believe the program will continue to expand.

Information is available for all families in Arizona, whether they are in the county programs or not. Please visit [KeepthemSafe.az.gov](http://KeepthemSafe.az.gov) to learn more about strategies to keep communication open and to take advantage of “teachable moments” regarding drug abuse and addiction.

Additionally, the following resources are available:

National Council on Alcoholism and Drug Dependence, Inc. - [ncadd.org](http://ncadd.org)

National Helpline 1-800-662-HELP (4357)

National Institute on Drug Abuse—[drugabuse.gov](http://drugabuse.gov)

Substance Abuse and Mental Health Services Administration—[samhsa.gov](http://samhsa.gov)

# FIRST THINGS FIRST

Contributed by Antoinette Griffin  
Community Outreach Coordinator (928) 428-0193 or (480) 340-0845  
FirstThingsFirst.org

## **Like all skills, gratitude is best learned young**

As the Thanksgiving season approaches, it is the perfect time to teach children a very important life lesson: gratitude.

Barbara Lewis, author of *What Do You Stand For? For Kids*, teaches us children as young as 2 are aware that other people do things for them or give them things that make them happy. As children grow, this awareness turns into an understanding of higher concepts, such as kindness and caring. As they mature further, they will learn to empathize and appreciate the feelings of others – crucial skills for all adults.

So, how do we teach our children to be grateful? Here are some tips from First Things First, gathered from child development experts and websites:

**Teach children to say thank you to everyone who does something for them** – their server at a restaurant, the older sibling who helps them pick up toys, or the friend who buys them a birthday gift.

**Talk about the things you are grateful for.** This can be everything from a blessing before dinner to reciting evening prayers.

**Involve kids in chores.** Nothing makes children appreciate the time and effort that goes in to different activities like doing the work themselves.

**Support a charitable event or organization.** Whether you are donating old clothes or toys, participating in a food drive, or even baking cookies for a new neighbor, talk to children about what those actions means to those who receive the kindness.

**Say no.** It's hard to teach gratitude to someone who gets everything they want.

**Be consistent.** Like all skills, gratitude is not learned in one lesson.

The first five years offer the opportunity for children to develop the skills they need to be successful students and successful adults. Research shows that thankful people are usually more optimistic and are less depressed and stressed. So, when we teach our children to appreciate what they have – and what others do for them – we are helping them to become happier, healthier adults.

###

**About First Things First** – First Things First is a voter-created, statewide organization that funds early education and health programs to help kids be successful once they enter kindergarten. Decisions about how those funds are spent are made by local councils staffed by community volunteers. To learn more, visit [FirstThingsFirst.org](http://FirstThingsFirst.org).





# ***EASTERN ARIZONA SCIENCE INITIATIVE***

*Local Educators will have an amazing opportunity to bring a  
StarLab Portable Planetarium to their own school or community  
through  
the Arizona State University School of Earth & Space Exploration!*



The Eastern Arizona Science Initiative (EASI) is working to secure a date of **Saturday, November 4<sup>th</sup>** to have the mandatory six hour training – (P.D. Hours Available) to enable educators and interested community members to rent and bring the StarLab Portable Planetarium to your school or community function! The training will demonstrate the proper set-up and inflation of the planetarium as well as operating the computer system to show a wide variety of astronomical lessons and shows that would normally have to be shown in a large permanent facility.

***We need approximately 20 participants to schedule for the FREE class.***

If you are interested and available for a possible class on Saturday, November 4<sup>th</sup> please email Paul Anger at [paul.anger@eac.edu](mailto:paul.anger@eac.edu) ASAP.

# **Arizona Department of Education**

## **Certification Update**

### **New Student Teaching Intern Certificate**

The State Board of Education has adopted a new Student Teaching Intern certificate for placements beginning in the 2017-2018 school year. The certificate is **optional** and is not a requirement for participation in a student teaching capstone experience, but may be issued at the request of an approved Educator Preparation Program (EPP) and a school district or charter school seeking to place a student teacher in a paid teaching position.

### ***Requirements for the Student Teaching Intern Certificate***

The Student Teaching Intern Certificate requires the following:

- Enrollment in the culminating student teaching capstone experience of an educator preparation program. The educator preparation program must have a Board approved written supervision plan which includes the following:

  - The educator preparation provider's roles and responsibilities for the Program Supervisor, and

  - The on-site mentorship and induction provided by the Local Education Agency (LEA);

- A minimum GPA of 3.0 on a 4.0 scale, or the equivalent;

- A passing score on the required Professional Knowledge **and** Subject Knowledge exams that correspond to the certificate the Student Teaching Intern is pursuing;

- If the applicant has been hired for a special education teaching position, a Bachelor's degree is required.

### ***Application Process for the Student Teaching Intern Certificate***

If a student teacher meets the above requirements, the following process should be used to apply for the Student Teaching Intern Certificate:

- The designated EPP representative completes an EPP Request for Student Teaching Intern Certificate and gives this request and all other pages of the Application for a Student Teaching Intern Certificate to the employing district or charter school.

- The district or charter school superintendent completes a District/Charter School Request for a Student Teaching Intern Certificate and gives this request, the completed EPP request, and all other pages of the Application for Student Teaching Intern certificate to the applicant.

- The Student Teaching Intern applicant submits a completed application, the EPP Request, the District/Charter School Request, a \$60 fee, and all other required documents to the Arizona Department of Education, Certification Unit.

Arizona State University, Grand Canyon University, Northcentral University/Rio Salado College, Northern Arizona University, and the University of Arizona have submitted a supervision plan to the Board and are approved to request the Student Teaching Intern certificate. A list of designated contacts from these institutions is attached to this email. If your district or charter school would like to hire a Student Teaching Intern from one of these universities, please contact the appropriate designee.

You may contact the Certification office at (602) 542-2378 or email [Certification@azed.gov](mailto:Certification@azed.gov) if you have any questions or concerns.



# Student Teaching Intern Certificate

## Educator Preparation Program Contacts

- **Arizona State University**

Debbie Robinson

Director, Office of Clinical Experiences

Arizona State University | Mary Lou Fulton  
Teachers College

Phone: 602.543.6348

Email: [debbie.robinson@asu.edu](mailto:debbie.robinson@asu.edu)

Note: Email is the best way to reach this  
contact.

- **Northern Arizona University**

Primary Contact: Marilee Eveleth, Director,  
Office of Fieldwork

Email: [Marilee.Eveleth@nau.edu](mailto:Marilee.Eveleth@nau.edu) or  
[NAUStudentTeaching@nau.edu](mailto:NAUStudentTeaching@nau.edu)

Main Phone: 928-523-7246

Phone: 928-523-7427

Fax: 928-523-7449

- **Northcentral University/Rio Salado College**

Paulina Ngo

Field Experience Coordinator

Email: [student.teaching@riosalado.edu](mailto:student.teaching@riosalado.edu)

Phone: 480-517-8414.

- **Grand Canyon University**

Alexi Linn

Clinical Practice Specialist

3300 West Camelback Rd

Phoenix, AZ 85017

Phone: (602) 639-7502

Toll Free: 1-(800) 800-9776 ext. 639-7502

[Alexi.Linn@gcu.edu](mailto:Alexi.Linn@gcu.edu)

- **University of Arizona**

Sara Knepper

Director, Academic Advising

Phone: 520-621-7865

Email: [sme@email.arizona.edu](mailto:sme@email.arizona.edu)

ADE Certification Unit 6-8-2017



# Student Loan Relief

## Voluntary Benefit

ISLoan Solutions, an advisory company, has helped nonprofit employees nationwide lower student loan payments by **95%**, and reduce student loan balances through tax-free loan forgiveness by an average of **\$59,500** with the Public Service Loan Forgiveness program.

Visit - <https://aacss-graham.myisls.com/register>

Enter registration code **GRAHAM**

**Register & schedule today! Find out if this program makes sense for you.**

If you have federal student loans and would like to:

- **Reduce** your student loan debt - no cap in forgiveness amount
- **Immediately** lower monthly student loan payment
- **Receive** a personalized 10-year plan outlining your savings
- **Significantly** lower your cost to earn additional degrees

### More Money for What Matters

“Before working with ISLoan Solutions, my monthly student loan payment was almost twice my house payment. Now, I am paying \$144 month and will have my student loan debt behind me by the time I’m 44; that makes me feel really good. Paying less on my loans means we can save for our daughter’s education, take a return trip to Disney World, and purchase a camper to enjoy our local 4-H activities and family vacations.”

*Shay Cottrill, Therapist*

How it works:

- Meet with a student loan advisor to discuss your situation & goals
- They will educate you & deliver a savings plan at no cost
- Hire them to implement plan, & fees will apply, or pursue it on your own



[www.isloansolutions.com](http://www.isloansolutions.com)

ISLoan Solutions

[Customer.service@isloansolutions.com](mailto:Customer.service@isloansolutions.com)

513-645-5400



## Look what the good folks at E.A.S.I. have planned for you!



WordItOut

All teachers who teach STEM subjects are invited to join the Eastern Arizona Science Initiative, known as E.A.S.I. They have a wonderful slate of camps, professional development and meetings planned. This is the schedule, subject to slight changes, but use this to plan ahead.

**Please let your fellow teachers know about the wonderful opportunities gained by joined E.A.S.I.! It's easy!**

### 2017 EASI Camps and Events Calendar:

Wed. Nov. 8	November EASI Meeting
Wed. Dec. 13	December EASI Meeting
Wed. Jan. 10	January EASI meeting
Sat. Jan. 20	G.O. STEAM Camp
Wed. Feb. 14	Feb. EASI meeting
Sat. Feb. 24	Gila Valley Health & STEAM Festival
Th.— Sat. March 8-10	Easter Arizona Regional Science Fair Competition
Sat. April 14	EASI 7th and 8th grade Saturday Science Camp
Wed. May 9	May EASI meeting
Tue.—Th. May 29-31	Tonto Creek Camp (Payson)
Tue.—Wed. June 5-6	SEATA MGIO Tours
Mon.—Wed. June 18-20	EASI Summer Science Camp
Mon.—Th. June 18-21	EASI High School Anatomy Camp



Contact Jackie Madsen at [Jackie.madsen@eac.edu](mailto:Jackie.madsen@eac.edu)  
Or call the EAC Discovery Park Campus at 928-428-6260



## Spelling Bee Information



### Timeline:

**October 17, 2017 through December 15, 2017: Scripps Regular Enrollment**

\* School fee: \$226

\* Home school enrollment fee: \$180

**Graham County Spelling Bee** Wednesday February 21, 2018

**Arizona State Spelling Bee:** Saturday, March 24, 2018 (tentative; awaiting final confirmation)

**Scripps National Spelling Bee** will be held in Washington, D.C. in late May or early June 2018

**Get Started!** Download the 2018 Spelling Bee instructions <http://azedfoundation.org/aef/wp-content/uploads/2017/08/Instructions-2018-1.pdf>

## *From the Graham County Sheriff's Office....Text a Tip*

"The Text a Tip" program allows a citizen to anonymously submit a crime tip to law enforcement in Graham County. This service was started as a combined effort between the Graham County Substance Abuse Coalition and local law enforcement agencies. It is administered by the Graham County Sheriff's Office Communications Division.

### How it works:

- ♦ A citizen can text grahamtip to 50911 and type the message they want to submit.
- ♦ The message is then sent to the Graham County Sheriff's Office Communications Center.
- ♦ The message is sent anonymously so the dispatcher has no way of knowing who sent it.
- ♦ There is no caller ID on your message.
- ♦ The dispatcher will review the tip information and pass it along to the appropriate agency.
- ♦ It can be used to report drugs, gangs, violence, threats, bullying, vandalism, abuse, illegal dumping, etc.

**We still encourage those needing to report in-progress emergencies to call 9-1-1.**

Further information about the program can be obtained by contacting Sgt. Scott Howell at 928-792-5404 or [showell@graham.az.gov](mailto:showell@graham.az.gov).

# United Way of Graham and Greenlee Counties

## Education Grant Opportunities

### **Goal Statement:**

*The United Way of Graham & Greenlee counties recognizes that education 1) happens everywhere, 2) begins at birth and does not stop, and 3) is a collective community endeavor.*

### **Objectives:**

#### ***Improving school readiness for every child***

The United Way will support activities that help prepare children from birth-to-4 years for successful entry into kindergarten.

#### ***Supporting efforts to ensure every student reads at grade level - especially by third grade***

The United Way will support and collaborate with educators, agencies and partners who are working to address grade level reading for all grades.

#### ***Increasing student access to quality transitional programs***

The United Way will support educators, entities and programs that address learning-loss or key transitional periods for students such as after school activities, summer programs and internship opportunities.

#### ***Supporting community and school district efforts with teacher retention and recruitment***

The United Way will support school districts, businesses, governmental agencies and community development organizations to enhance teacher workforce recruitment and retention.

#### ***Providing direct support to teachers in the classroom by helping to cultivate innovative learning environments and approaches***

The United Way will partner with schools and teachers to implement innovative approaches to help address 21<sup>st</sup> Century challenges.

### ***Partnerships:***

The United Way recognizes that community partnerships are essential to achieving these education objectives. Wherever possible, the United Way will seek to strengthen and broaden community partnerships for the purposes of leveraging resources, sharing of knowledge and expertise, and enhancing program impacts.

**Apply Now!**

Visit the United Way website at [www.uwggc.com](http://www.uwggc.com)

Click on "How to Apply"

Applications will be reviewed each month except during December.

For assistance with your grant, contact Paulette LeBlanc

[pleblanc@aznex.net](mailto:pleblanc@aznex.net)

Let your voice be heard to help improve our communities health!  
**Healthy People, Healthy Community Survey 2017**

*You may access the survey online from October 2—November 30 through the  
Graham County Website Home Page: Look for— **Community Survey***

<https://www.surveymonkey.com/r/TJBSGR8>



You may use your smartphone, tablet, home/work computer or anywhere that you can access the Internet.

*Find the survey on Graham County Health Dept. Facebook page.*

Please take a few minutes to complete the survey, based on the community you live in. The purpose of this survey is to get your opinions about health concerns in Graham County. The Community Health Committee listened in 2012 and some significant improvements have occurred in the past 5 years. We will use the results of this survey and other information gathered through community partnership meetings to identify the most pressing problems that can be addressed through community action.

Please encourage your friends, family and colleagues age 16 and older to complete this survey online. All responses are confidential, we cannot tie answers to a specific person.

*Remember....your opinion is important! Thank you!*

***Please take the survey one time during:  
October 2—November 30, 2017***

A paper copy of the survey will be available in specific locations throughout the county for residents that do not have Internet access.

If you have already taken the survey during the above period of time, please disregard this request.  
Thanks!



**For information and questions—**

Contact - Laura Rogers—  
[lrogers@graham.az.gov](mailto:lrogers@graham.az.gov)

Graham County Health Department  
HAPI Manager - 928-792-5368



# An Invitation....

## Graham/Greenlee Early Childhood Coalition *Start Early. Finish Strong.*

Open the door between early childhood and primary grades by joining us for another gathering in our series of coalition collaborations.

Wednesday, November 29, 2017

4:30 p.m.

Morenci Early Learning Center

On Metcalf School Campus

Host: Jennie Romero



The Early Childhood Coalition is *going on the road* this year! Each meeting will be held in a different location. Please join us for a trip to Morenci to visit another incredible early childhood program.

TOPIC:

SMALL GROUPS AND TRANSITIONS



Come and join the fun! The Graham/Greenlee Early Childhood Coalition is open to all early childhood providers/directors and K-3 teachers/administrators! Please spread the word. **Register by contacting Paulette LeBlanc at [pleblanc@aznexus.net](mailto:pleblanc@aznexus.net) by Wednesday, November 22<sup>nd</sup>.** Carpooling will be arranged from Safford. We'll leave in two shifts from the General Services Building at 3:15 and 3:30.

*The Graham/Greenlee Early Childhood Coalition is sponsored by:*

*Donna McGaughey, Graham County School Superintendent*

*Tom Powers, Greenlee County School Superintendent*

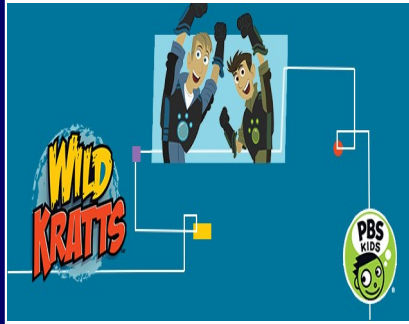
*JoAnn Morales, EAC Early Childhood Instructor*







## A New Twist On Classics



Take your students on a learning adventure and inspire a lifelong love of science!

*Wild Kratts* follows the adventures of Chris and Martin Kratt as they encounter incredible wild animals, combining science education with fun and adventure as the duo travels to animal habitats around the globe! [Explore Collection](#)



### Animal Adaptations Grades: PreK-3

How are some birds able to survive winter weather while others have to fly North? Why are Polar Bears and Walrus' able to survive on land and water? Discover Wild Alaska with the Kratt Brothers! Students will learn about animals in Alaska and how they adapt, survive, and thrive in the wild. [Discover More](#)



### Ready Jet Go! Grades: PreK-3

This space-themed collection includes fun, educational video clips about planet Earth, the other major planets in our solar system, and the characteristics that set them apart. [Discover More](#)



### How Do Different Social Media Platforms Affect Your Mood? Grades: 6-12

This video will help your students understand the serious effect that social media can have on our mood by exploring the science behind the ways different social media platforms may affect their brains. [Explore More](#)



**Flesh-Eating Beetles Strip Bodies to the Bone**

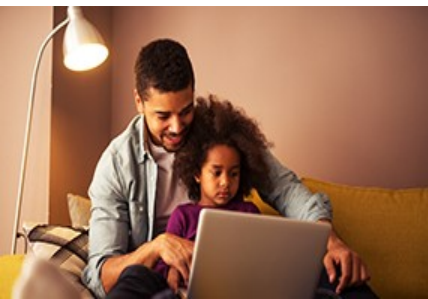
**Grades: 6-12**

Turn 'ew' to 'ah' in the classroom. Your students can watch and learn more about Dermestid Beetles. They can pick a carcass clean in just days leaving even the most delicate bone structures intact. <https://www.pbslearningmedia.org/resource/flesh-eating-beetles-deep-look/flesh-eating-beetles-deep-look/#.WfoU3tNe6hc>



**Splash & Bubbles: Marine Biology & Social Emotional Learning for Your Classroom**

Whether learning about migration, adaptation for survival or just weird and wacky sleeping habits, the ocean has a lot to offer teachers and their students. [Read the Blog](#)



**REACH: Digital Citizenship**

**Grades: PreK-1**

What is a digital citizen? Help your students and their parents understand what it means to be a good digital citizen and steps they can take to be safe online. [Explore More](#)



**Urban Habitat**

**Grades: 3-12**

There is plenty of nature in the city - you just have to look around you. Think about nature in a new way with this video + garden activity guide. [Discover More](#)



**Tides Grades: 9-12**

Visiting the beach this summer? Tides at the beach are a subtle but inexorable force that have literally shaped most objects in the universe. Watch this video and you'll never look at tides the same way again! [Discover More](#)

## Arizona Geographic Alliance (AzGA)

Arizona State University | School of Geographical Sciences & Urban Planning | P O Box 875302 | Tempe, AZ 85287-5302 |

[cathy.davis@asu.edu](mailto:cathy.davis@asu.edu) | 480-965-5361 \* fax 480-965-8313 <http://geoalliance.asu.edu/> | <https://www.facebook.com/geoalliance/>  
976 S Forest Mall, Coor Bldg, Fifth Floor, Room 5677 (Zip 85281)

### Rephotography: A Cool GeoTool

**Description:** In this lesson students will learn how to analyze and document change over time through the use of repeat photography. They will also learn about perspective and large and small scale maps.

**Author:** Diane Godfrey

**Grade Range:** 6-8

**Duration:** 1-3 class periods

### Teacher Instructions

### Student Worksheets, Assessments, and Answer Keys

Other materials that may be useful:

### USGS Repeat Photography Project

### The Forest History Society Repeat Photography Collections

**Rephotography** - photographing a scene from the same place where an earlier picture was taken. Before-and-after photos and maps are powerful tools to help us identify things that changed and therefore suggest hypotheses.

\*\*\*\*\*

## La Frontera--Barrier or Gateway? An Introductory Unit to the US-Mexico Borderland

**Description:** In this lesson students will use maps, visuals, and written text to raise their awareness of the U.S.-Mexico borderland.

**Author:** Dennis Rees **Grade Range:** High School **Duration:** 3-5 class periods

[Teacher Instructions](#) [Student Worksheets, Assessments, and Answer Keys](#) [PowerPoint - Pictures of the US Border](#)

[PowerPoint - US Changing Border](#) [Map - US-Mexico Border 1803](#) [Map - US-Mexico Border 1819](#)

**Supplemental Files:**

[Map - US-Mexico Border 1845](#)

[Map - US-Mexico Border 1848](#)

[Map - US-Mexico Border States](#)

[Map - US Mexico Border States \(Labeled\)](#)

Other materials you may find useful:

[Map set - Mexico \(unlabeled\), Mexico states \(unlabeled\), Mexico states \(labeled\)](#)

Library of Congress - Worlds Revealed: Geography & Maps

[The Changing Mexico-U.S. Border](#) (12/2015)

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[cathy.davis@asu.edu](mailto:cathy.davis@asu.edu) | 480-965-5361 \* fax 480-965-8313 <http://geoalliance.asu.edu/> | <https://www.facebook.com/geoalliance/>  
976 S Forest Mall, Coor Bldg, Fifth Floor, Room 5677 (Zip 85281)

### Mountain Magic: Identifying the Basic Physical Characteristics of Mountains

**Description:** In this lesson, students learn about mountains and mountain ranges as distinct landforms with the related geographical vocabulary.

**Author:** Judy Phillips

**Grade Range:** 1-2

**Duration:** 2 class periods

[Teacher Instructions](#)

[Student Worksheets, Assessments, and Answer Keys](#)

[Student example](#)

**Materials to Assist Teachers and English Language Learners:**

[Teacher Instructions with ELL adaptations](#)

[Vocabulary Cards](#)

### Paint My Counties: Mapcoloring the Counties of AZ

**Description:**

In 1983, Arizona went from 14 counties to 15 with the addition of La Paz County. Mapcoloring is connected to graph theory in mathematics. Combining these geography facts with math skills gives students a chance to use logic to learn the counties.

**Author:** Sara Jenkins      **Grade Range:** 4      **Duration:** 2 class periods

[Teacher Instructions](#)

**Student Materials:**

[Arizona Counties \(4 maps on one page\) labeled](#)

[Arizona Counties \(4 maps on one page\) unlabeled](#)

[Arizona Counties \(large\) labeled](#)

[Arizona Counties \(large\) unlabeled](#)

**Materials to Assist Teachers and English Language Learners:**

[Teacher Instructions with ELL Adaptations](#)

[Student Worksheets with ELL Adaptations](#)

[Vocabulary Cards](#)

## Arizona Geographic Alliance (AzGA)

Arizona State University | School of Geographical Sciences & Urban Planning | P O Box 875302 | Tempe, AZ 85287-5302 |

[cathy.davis@asu.edu](mailto:cathy.davis@asu.edu) | 480-965-5361 \* fax 480-965-8313 <http://geoalliance.asu.edu/> | <https://www.facebook.com/geoalliance/>

976 S Forest Mall, Coor Bldg, Fifth Floor, Room 5677 (Zip 85281)

\*\*\*\*\*

## New lesson! Featured at GeoConference 2017

### Shhh! . . . Mum's the Word: Secret Cities of the Manhattan Project

#### **Description:**

Students will analyze both primary and secondary sources as part of an in-depth investigation of the three "secret city" Manhattan Project sites of Oak Ridge, Hanford, and Los Alamos. This will lead to a deeper understanding of the role geography plays in shaping historical events, as well as each site's contributions to the overall mission of creating the world's first atomic weapon.

**Author:** Jeannine Kuropatkin

**Grade Range:** High School

**Duration:** 5 class periods

#### Teacher Instructions

#### Manhattan Project Lesson PowerPoint

#### Student Worksheets, Assessments, and Answer Keys

#### **Materials to Assist Teachers and English Language Learners:**

#### Student Worksheets and Assessments for ELLs

#### Vocabulary Cards

\*\*\*\*\*

## New lesson!

### A Greater Killer than the War: The Influenza Pandemic of 1918-1919

**Description:** In this lesson, students will be introduced to the Influenza Pandemic of 1918-1919. They will learn key facts about it and will use maps and primary source news articles to understand its spread and impact across the world.

**Author:** Elizabeth R. Hinde

**Grade Range:** High School

**Duration:** 1-2 class periods

#### Teacher Instructions

#### Student Worksheets, Assessments, and Answer Keys

#### A Greater Killer than the War: The Influenza Pandemic of 1918-1919 PowerPoint

#### **Other information that may be useful:**

**Influenza Encyclopedia** - <http://www.influenzaarchive.org/>

A digital archive of material relating to the American Influenza Epidemic of 1918-1919



## Arizona Geographic Alliance (AzGA) Grants and Opportunities

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### Ancestry.com, Newspapers.com, Fold3

<https://www.ancestryk12.com/k12/ApplyForGrant>

If your classroom, school, and/or school district are awarded an AncestryK12 grant, your students will be able to access classroom versions of Ancestry, Fold3, and Newspapers.com, onsite from computers within the IP ranges you specify in your application, by visiting <https://www.ancestryclassroom.com>, <http://www.fold3.com/>, or <http://www.newspapers.com/> (the "Grant Websites").

Please NOTE: The grant is for free access to these sites, and one application covers all three sites. No monetary award.

### Salt River Project

<https://www.srpnet.com/education/grants/default.aspx>

SRP offers a total of \$200,000 in direct classroom funding annually through three distinct Classroom Connections grant programs including Social Studies. Grants are awarded to help educators present academic content and teach skills in the interrelated disciplines of **history, geography, civics, government, and economics** up to \$2,500.

### Professional Development

**State level -- Registration open now!**

**National Geographic Educator Community - on line**  
PD online opportunities, events, training, and other resources. [Link to join the National Geographic Educator Community](#)

### GeoGame - Place Spotting (based on Google Earth)

<http://www.placespotting.com/>

A website of geographic riddles. Place Spotting is based on the Google Earth platform. Place Spotting users can create their own geographic riddles or try to solve riddles created by others. The search feature on Place Spotting lets users search for riddles based on level of difficulty, language, region, or creation date.

### GeoGame - Where In the World (based on Google Earth - Street View)

<http://www.superbreak.com/inspiration/where-in-the-world#>

Street View quiz from SuperBreak. You are shown a succession of Google Maps Street View images of famous locations around the world. All you have to do is choose the correct location from three different answers. The game allows you to choose from five different categories, History, Travel, Royal Attractions, Nature & Parks and Entertainment. Once you have selected your categories you are shown 10 different Street View images and your job is to guess where in the world each image is from.

### Major Countries Outline Maps (hard copy)

Free

<https://manywaystoseetheworld.org/products/ncgemajorcountries> OR  
<http://conta.cc/2i4M3Ds>

Two dozen maps (23 double-sided) 8-1/2" x 11" on high gloss paper. Plus 18 maps (9 double-sided) identifying provinces or states on regular paper. A world map showing the location of each country. Plus a chart indicating population and land area for each of the 23 countries represented. These outline maps were published by the National Council for Geographic Education, a non-profit organization devoted to enhancing the status and quality of geography teaching and learning. The date of the map boundaries is 2004. These map sets are copyright-free and may be reproduced for any non-profit educational project. All that is required is proper attribution of NCGE as the source.

**April 19-21, 2018**

<http://www.nche.net/conference> **National Council for History Education (NCHE)**

2017 NCHE National Conference – San Antonio, TX

### FMA - Free Music Archive

[http://freemusicarchive.org/curator/video?](http://freemusicarchive.org/curator/video?wlex-)  
[wlex-](http://freemusicarchive.org/curator/video?wlex-)

[pid=A47EDEoB61F34AEFAADC6A000F237BBE](http://freemusicarchive.org/curator/video?wlex-)  
[&wrefapp=5](http://freemusicarchive.org/curator/video?wlex-)

The Free Music Archive is an interactive library of high-quality, legal audio downloads directed by WMFU, the most renowned freeform radio station in America. Radio has always offered the public free access to new music.

Every MP3 on The Free Music Archive is pre-cleared for certain types of uses that would otherwise be prohibited by copyright laws that were not designed for the digital era.

### Arizona Department of Education

To join the ADE K-12 mailing list go here:

<http://www.azed.gov/standards-practices/academic-standards/join-the-k-12-academic-standards-mailing-list/>

Also reachable from this page: Content Area Resources, Instructional Support, Webinars, Standards.



ARIZONA  
EDUCATIONAL  
FOUNDATION

*2018 AEF Polly Rosenbaum Creative Writing Contest Theme:*

## **"What is the importance of civility in civic discourse?"**

The **Arizona Educational Foundation (AEF)** is honored to announce the **2018 Polly Rosenbaum Creative Writing Contest** theme:

### **"What is the importance of civility in civic discourse?"**

The Polly Rosenbaum Writing Contest is named for [Polly Rosenbaum](#), a former House Representative in the Arizona State Legislature and teacher, who passed away in 2003 at the age of 104. This writing contest is a long-standing tradition honoring Mrs. Rosenbaum, who believed Arizona's young people are the state's greatest resource.

The creative writing contest is open to students in grades 7 thru 12 who currently attend a public school in Arizona.

All entries will be judged in one of three categories: 7th/8th Grade; 9th/10th Grade; and 11th/12th Grade. Judges will select a first, second and third place winner for each category.

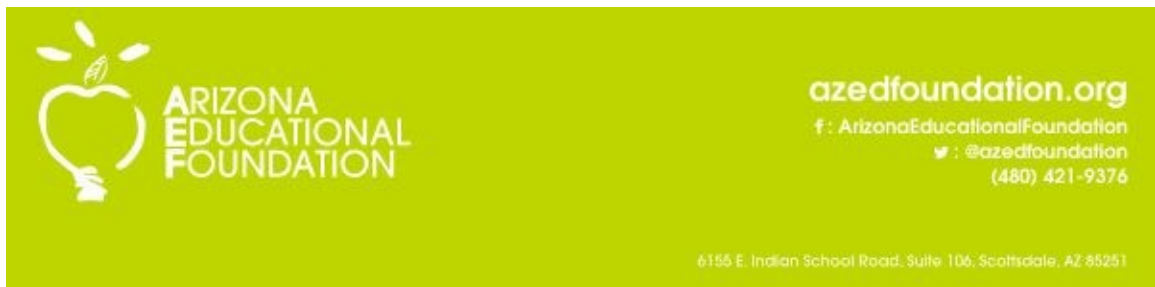
AEF will announce the winners in February 2017. All winners in each category will be recognized at an event at the Arizona State Capitol (exact date and time to be announced later) in their honor. Winners may be invited to other events to be honored and celebrated.

More Details here:

**<http://www.surveymoz.com/s3/2982934/Polly-Rosenbaum-Writing-Contest-Application>**

**Entries are due Wednesday, December 20, 2017!**

If you have any additional questions related to the writing contest, please contact Bobbie O'Boyle at [bobbie@azedfoundation.org](mailto:bobbie@azedfoundation.org) or calling (480) 421-9376.





## **The Safford City-Graham County Library offers amazing resources for teachers and students at no cost!**

### **Library Cards**

Residents of Graham and Greenlee county are eligible for a free library card. Children under 18 must have a parent's or legal guardian's permission to get a library card.

### **Library Tours and ScienceCity Field Trips**

Library tours are available for classes with at least 2 weeks' notice. For more information, write to Leanne McElroy at [lmcelroy@saffordaz.gov](mailto:lmcelroy@saffordaz.gov). A limited number of hands-on ScienceCity field trips are available to K-6<sup>th</sup> classes visiting the library. For more information, write to Lesley Talley at [ltalley@saffordaz.gov](mailto:ltalley@saffordaz.gov).

### **Online Tutoring**

Live, online tutoring for students in kindergarten through college is available daily from 2pm till midnight through Tutor.com on the library's website. Tutor.com is free to all students in Graham and Greenlee counties thanks to support from the Safford Library, the Greenlee County Library District and the United Way of Graham County.

### **Online Classes - Universal Class**

Over 500 free online classes are available to library card holders. Courses include computer skills and teacher related courses for CEU credit. Remember, the classes are free ONLY if accessed through the library's website.

### **Language Learning - Mango Languages**

User-friendly language learning is available for over 70 languages through Mango Languages. It includes 11 ESL options for those who are learning English. Remember, the classes are free ONLY if accessed through the library's website.

### **Academic Databases**

Information-packed online databases from Gale and World Book Encyclopedia are available for elementary through high-school age children. With vetted information, no pop-up ads and clear citations, they offer a great research tool for students.

### **Tumblebooks, eBooks and downloadable audiobooks**

Digital versions of many popular books for young children through teens are available through the library website. Tumblebooks targets younger children with colorful picture books and simple chapter books. Our eBook and downloadable audiobook collections include titles for tweens and teens.

### **Dolly Parton's Imagination Library**

Thanks to funding from Arizona First Things First, all children in Graham and Greenlee counties are eligible to receive free books mailed to their home from birth until their 5<sup>th</sup> birthday. These high- quality books are theirs to keep and build their own home library.

### **Books, DVDs and Audiobooks**

With approximately 45,000 items on the shelves, the library is sure to have something for you or your students. From picture books and children's audiobooks to nonfiction books and DVDs, we have great resources to support you in the classroom.

**For more information or for a teacher tour/training, call 432-4165.**



### Arizona Commission on the Arts Awards \$2,354,500 in Grants Statewide

On July 20, 2017, the Arizona Commission on the Arts announced 234 grants to Arizona nonprofit arts organizations, local arts agencies, schools, and community organizations. In total, the competitive grant review process for fiscal year 2018 (July 1, 2017 to June 30, 2018) resulted in an aggregate investment of \$2,354,500.

The state's investment in arts organizations, festivals, and community-based programs was once again bolstered this year by a one-time \$1.5 million allocation to the Arizona Commission on the Arts in the state's fiscal year 2018 budget.

[Click here to learn more](#)



### Register Your School for Arizona Poetry Out Loud!

Registration is now open for 2018 Arizona Poetry Out Loud. Teachers who would like to participate register their schools for the program. Once registered, each participating teacher/school site receives a toolkit, which includes a program guide to help teach recitation and performance and a DVD and companion guide for learning recitation-free of charge.

*Poetry Out Loud is a poetry recitation contest for high school students that begins in classrooms across the country and culminates with the Poetry Out Loud National Finals in Washington DC where champions from all 50 states compete for a total of **\$50,000 in scholarships and school stipends**, including a **\$20,000 college scholarship** for the Poetry Out Loud National Champion.*

[Click here to learn more](#)



### Take Our Survey and Give Your Favorite Arizona Artist or Organization a Boost!

Each year the Arizona Commission on the Arts invites Arizonans to let us know how we're doing in our efforts to serve Arizona's communities. This year, we've added an additional incentive to participate in the survey: the [AZArts Signal Boost Sweepstakes](#)! If you win, the Arizona artist or nonprofit arts organization of your choice will be the subject of a spotlight profile featured on our website and monthly newsletter, and promoted on our Facebook, Twitter, and Instagram accounts!



## Interest form for **Science News** in High Schools 2017-2018

Through the generosity of sponsors of the International Science and Engineering Fair, a free science publication, *Science News* is being made available to 4,000 high schools. Please see the link below to fill out an "interest form" and get your high school on the list for possible distribution of this publication.

<https://societyforscience.tfaforms.net/45>

## Graham County Food Safety Training

### Online courses now available!

Graham County now offers web-based training to provide "anytime, anywhere" access to high-quality, cost-effective Food Safety training.

### Courses Include:

\*Food Safety for food handlers

\*Food Manager certification

\*HACCP Plan Development and Implementation

Log-on to: <http://grahamcounty.vls01.com/>

Contact: Graham County Health Dept. 928-428-0110



**RAISING SUPERHEROES  
IN YOUR SCHOOL**  
SCHOOL ASSEMBLY OR SPECIFIC GRADES

**OUR GOAL:**  
**TEACH STUDENTS THE DIFFERENCE BETWEEN  
VICTIMS, VILLAINS, AND HEROES.**  
**THEN HELP THEM DISCOVER THE HERO WITHIN!**

FOR MORE INFO: [WWW.SUPERHEROHANDBOOK.COM](http://WWW.SUPERHEROHANDBOOK.COM)

[SUPERHEROHANDBOOK@GMAIL.COM](mailto:SUPERHEROHANDBOOK@GMAIL.COM) **435-216-6779**

**CLASSROOM CURRICULUM NOW AVAILABLE!**

**TEACHERS CAN USE TOPICS IN ADDITION TO THEIR LESSONS, OR AS A STAND ALONE LESSON.**



# Is Your County Joining the Statewide Service Challenge ?

Governor's Youth Commission calls Arizona's youth to service with a friendly competition between all fifteen counties.

The county with the most service hours per capita will receive special recognition from the Governor's Office of Youth, Faith and Family.



1. Teens implement service projects in their communities.
2. Log the projects at: [BeSeenBeHeard.AZ.gov](http://BeSeenBeHeard.AZ.gov)
3. Upload pictures and videos of your service projects.
4. Have all hours logged by February 12, 2018.
5. Stay up to date on our latest events and activities on the website, Facebook, and Twitter!

For more information contact:

Nikki Green at: [NGreen@az.gov](mailto:NGreen@az.gov)

Governor's Office of Youth, Faith and Family

1700 W. Washington Street, Suite 230

Phoenix, AZ 85007

## Without a doubt, teachers are schools' GREATEST investment!

Let us help you support the teachers that you have invested in - through an ongoing and strategic 3-year program designed to **build and retain quality teachers**.

The Arizona Science Teachers Association (ASTA) is excited to share our [Teacher Leadership Program](#) (TLP), a two-pronged approach to support novice teachers and build teacher leaders.

Consider the astronomical financial and other costs of teacher recruitment and retention

- Recruitment, hiring, administrative processing, professional development, and separation create a huge financial burden and reduce funds that could be used for instructional programs
- District costs range from \$4800-\$12,000 for each teacher who leaves
- Student learning and achievement suffer
- Hard to fill positions continue to be vacant

**The TLP counters these costs by providing a mentor and ongoing professional development for novice teachers for 3 years.**

The TLP couples face-to-face professional development with on-line communities to develop relationships and science/math/STEM teaching capacity among novice teachers. Do you have any novice teachers, including 2<sup>nd</sup> career teachers that need support?

Additionally, the TLP has a parallel component of **developing teacher leaders** in the same disciplines, providing leadership and STEM pedagogical professional development to assist them in their role as a mentor/coach to colleagues. Do you have new curriculum specialist, department chairs, or teacher-leaders that would benefit?

***ASTA is currently accepting applications for a cohort for 2017-18.*** The cost for this professional development program is minimal, at a total of \$6000/teacher for the entire 3-year program (\$2000/year). Here are two options for you to consider:

- Option A: Choose to register for all 3 years - you would receive \$1500 off.
- Option B: Choose to register for one year commitment and receive 50% off of Year 1 - \$1000.

To learn more about the TLP visit:

<https://azsta.org/teacher-leadership-program/>

Contact Sara Torres, ASTA Executive Director, for more information: [astaexecdir@gmail.com](mailto:astaexecdir@gmail.com)

ASTA is grateful to APS Foundation for their financial support of the TLP.



Good things are going on!



The Delta Kappa Gamma Society International, is a group of leading women educators whose vision is to impact education worldwide. If you are interested in becoming a member, please contact president Roberta Bishop at [Roberta\\_bishop@hotmail.com](mailto:Roberta_bishop@hotmail.com). The “wall of diapers” is just one of the service projects designed to help all citizens from birth through adulthood. The group also put together comfort bags containing books and stuffed animals. These bags have been given to local law enforcement so they may offer them to children in crisis.



The look on their faces says it all! **Science Happens Here!** These Thatcher Elementary students from Karen Hogan’s class won the opportunity to have a shark dissection activity brought to them by the Arizona Science Center’s Science on Wheels program. The class who gets the most participation in this year’s program could win something like this! When you see the “Science Happens Here” sign in our local businesses, go inside and pick up a trading card (no purchase is necessary). Learn about science on that card, then follow the directions to find a simple experiment that can be enjoyed by the students at home. Get involved! [Sciencehappenshereaz.com](http://Sciencehappenshereaz.com)



## **Grant Funding Alerts** *It's never too early to start working on a grant!*

### **Name: Freeport-McMoRan STEM Innovation Grants**

**Who:** K—12 Teachers, school administrators or parent volunteers/PTA officials

**Amount:** Up to \$5,000

**Deadline:** March 15 each year (window: Dec. 1—March 15)

**<http://www.freeportinmycommunity.com/schools/stem-grant>**

### **Name: Freeport-McMoRan Mini-Grants for Education (Get ready for the next cycle!)**

**Who:** Teachers, school administrators or parent volunteers/PTA officials

**Amount:** \$100-\$500

**Deadline:** October 1, 2017 (window: May 1—Oct.1)

**Link:** <http://www.freeportinmycommunity.com/schools/mini-grants>

### **DonorsChoose.org Makes It Simple to Help Classrooms**

DonorsChoose.org is an online charity that makes it easy for anyone to help students in need. Public school teachers from every corner of America post classroom project requests on this site.

Donors can find projects or classrooms that most inspire them and make a donation. When a project reaches its funding goal, DonorsChoose.org ships the materials to the school. You'll get photos of the project, a letter from the teacher, and insight into how every dollar was spent. Give over \$50 and you'll also receive a hand-written thank from the students. If you're a teacher looking for support for a classroom project, just go to DonorsChoose.org and start your own account. The

Bill and Melinda Gates Foundation announced that it will match \$1 million in donations to DonorsChoose.org. Donors need to enter the code JUMPSTART to have their donation matched.

American Institute of Aeronautics and Astronautics (AIAA) Foundation Classroom Grant

<http://www.aiaa.org/secondary.aspx?id=4184&terms=grants>

Window opened Oct. 2017

Submission period closes January 5, 2018

### **Arts Learning and Collaboration Grants**

**CYCLE C Deadline: 11:59pm Thursday, February 1, 2018**

Arts Learning Collaboration Grants enhance the work of school-based arts teaching and learning programs through collaborative projects taking place in-school (during regular school hours), after-school, or during summer/inter-session and in-services.

*Eligible project activities must take place between March 1, 2018 and June 30, 2018.*

[Click here to learn more](#)

*It's Never Too Early to Work on Your Grant!*

### **Lifelong Arts Engagement Grants**

**CYCLE C Deadline: 11:59pm Thursday, February 1, 2018**

Lifelong Arts Engagement Grants support partnerships that foster meaningful arts learning experiences in a variety of community settings for learners of any age. Community/social service organizations or governmental entities partnered with arts organizations or professional teaching artists are eligible to apply.

*Eligible project activities must take place between March 1, 2018 and June 30, 2018.*

[Click here to learn more](#)

### **Professional Development Grants**

**Cycle C Deadline: 11:59pm Thursday, February 1, 2018**

Professional Development Grants provide funding support for participation in artistic development and skills building activities or opportunities that contribute to professional growth and career development.

*Eligible project activities must take place between March 1, 2018 and June 30, 2018.*

[Click here to learn more](#)

### **American Association of Physics Teachers High School Physics Teachers Grant**

[www.aapt.org/programs/grants/hsgrant.cfm](http://www.aapt.org/programs/grants/hsgrant.cfm)

Deadline: December 1, 2017

It is the goal of the AAPT to encourage high school teachers to experiment and improve on their teaching practices.

Kids in Need Foundation

[Www.kinf.org/grants/](http://www.kinf.org/grants/)

NotMYKid—Inspiring Positive Life Choices

<https://notmykid.org/>

### **Walmart Community Grant Program**

<http://giving.walmart.com/walmart-foundation/community-grant-program>

Deadline: December 31, 2017

Awesome Foundation

[www.awesomefoundation.org/](http://www.awesomefoundation.org/)



*What does that mean?*

## Arizona Educational Acronyms

### **D**

DAA – District Additional Assistance

DACA – Deferred Action for Childhood Arrivals (Dreamers)

DDD - Division of Developmental Disabilities

DDS – Defensive Driving School

DSI - Dual Sensory Impairments

### **E**

ED - Emotional Disability

EDGAR – Education Department General Administrative Regulations

ELA – English Language Arts

ELL- English Language Learner

ERAU – Embry Riddle Aeronautical University

ESEYC - Educational Scholarship Endowment of Yavapai County

ESA – Education Service Agency OR Empowerment Scholarship Account

ESD – Elementary School District

ESS - Exceptional Student Services

ESSA – Every Student Succeeds Act

### **F**

FAPE - Free Appropriate Public Education

FERPA - Family Education Rights and Privacy Act

FTE - Full Time Equivalent

FBA - Functional Behavioral Assessment

FFMA – Forest Fee Management Association

### **G**

GCU - Grand Canyon University

### **H**

HI - Hearing Impaired